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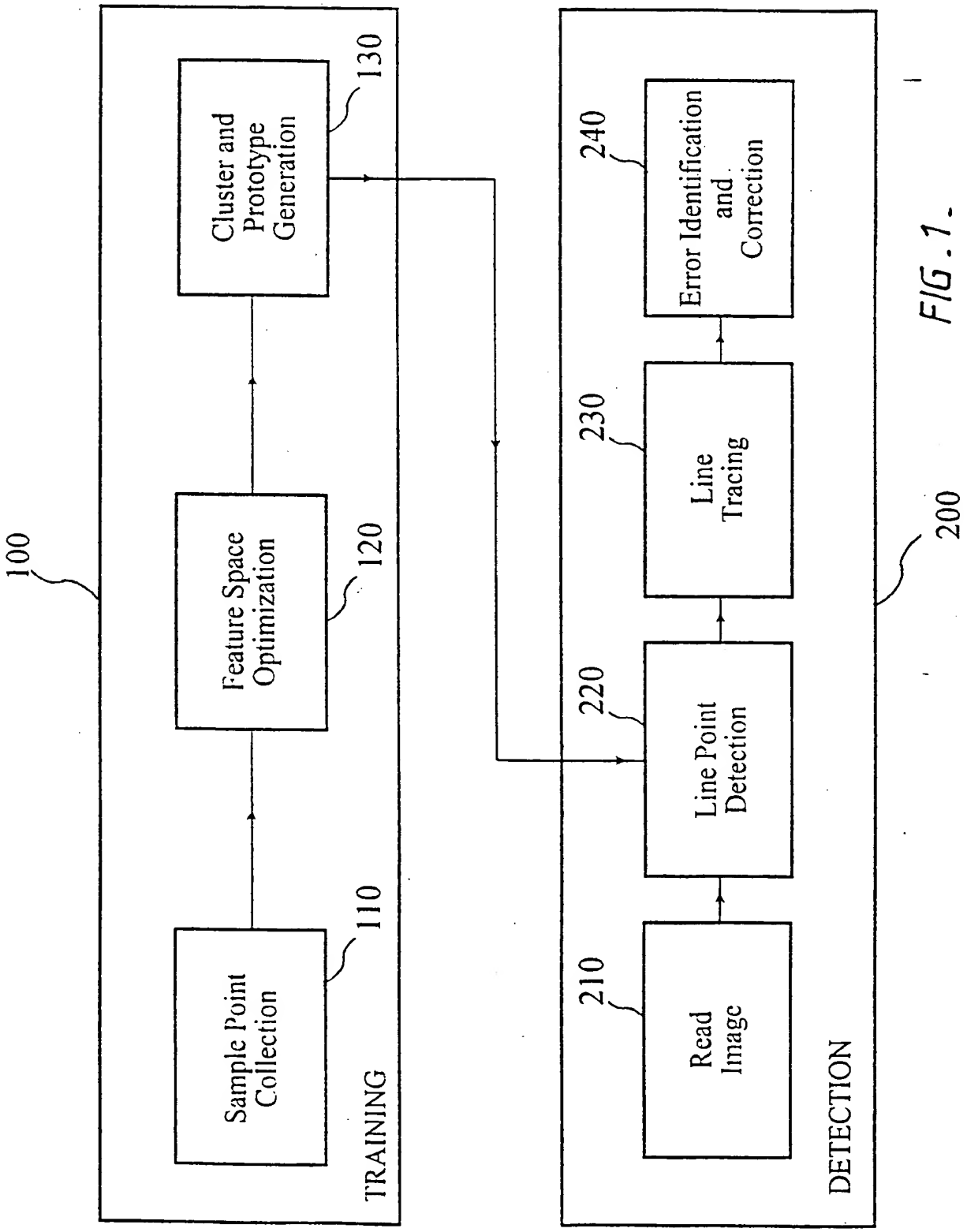

FIG. 1.

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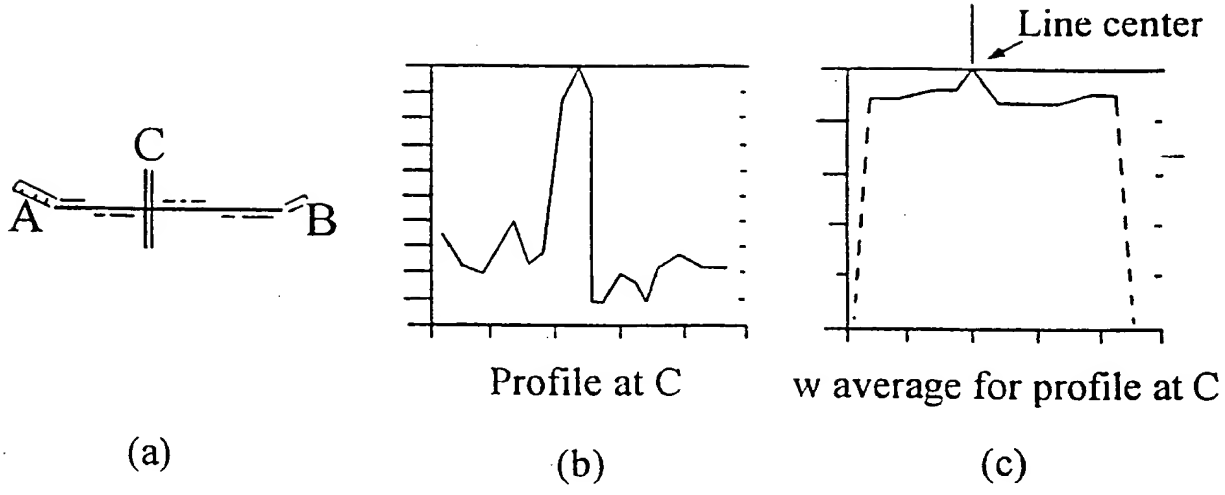

FIG. 2.

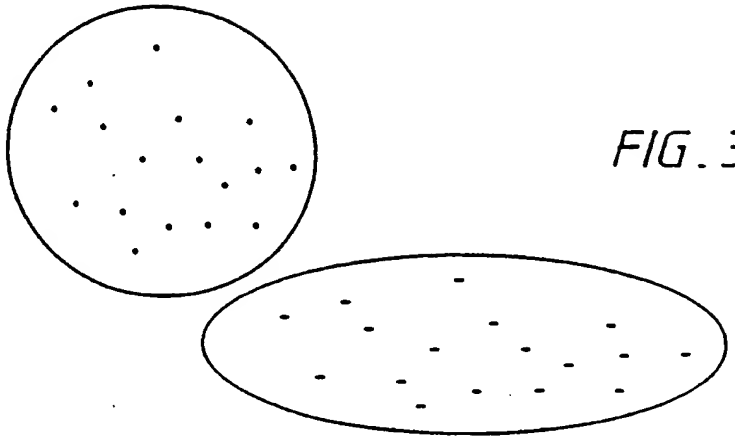

FIG. 3.

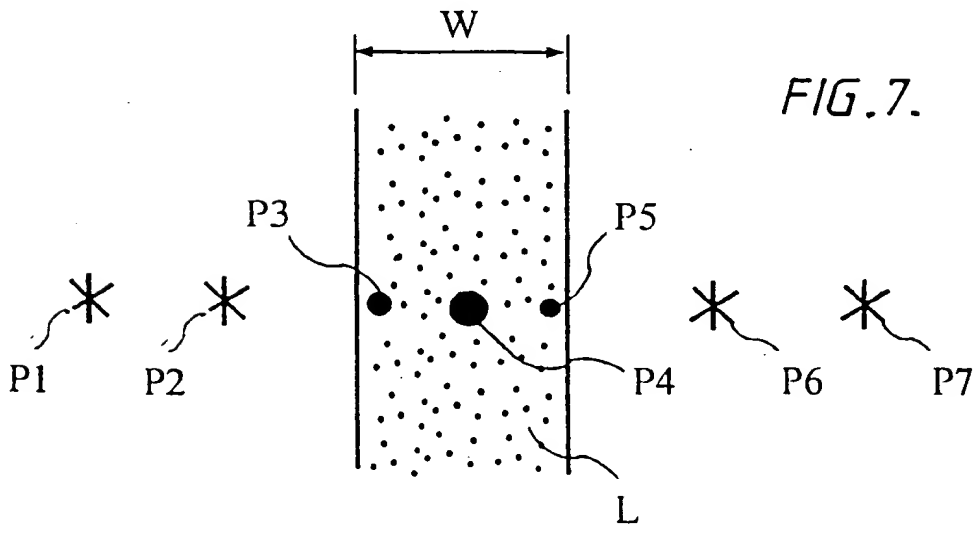

FIG. 7.

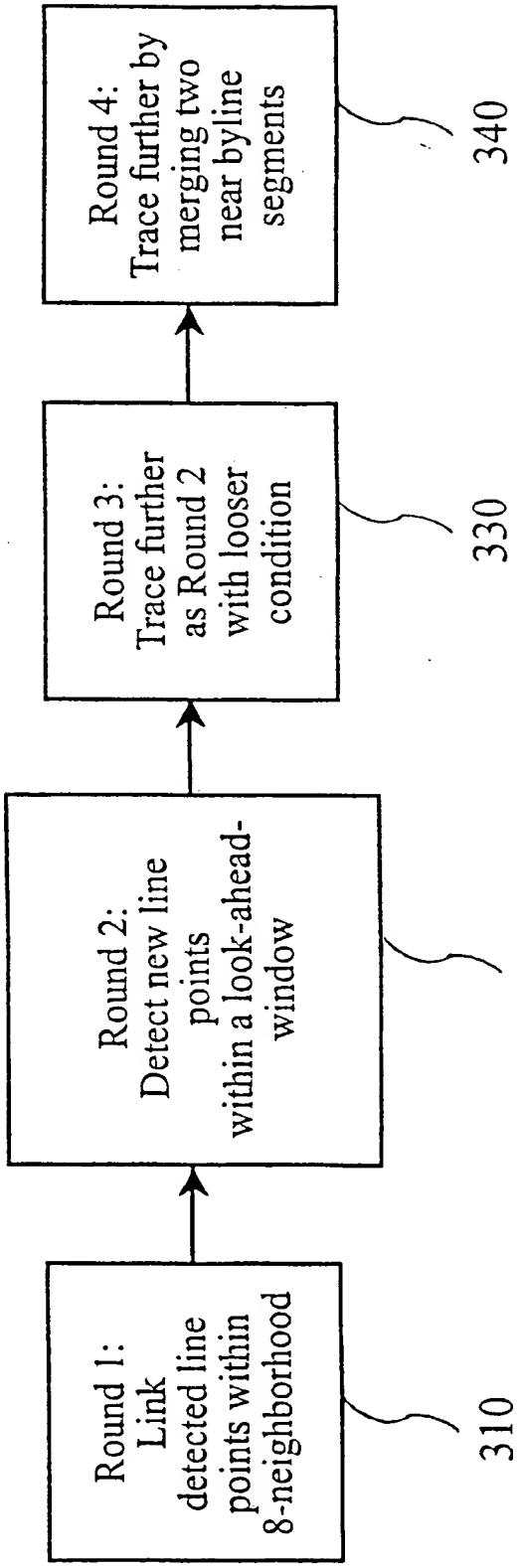

FIG. 4.

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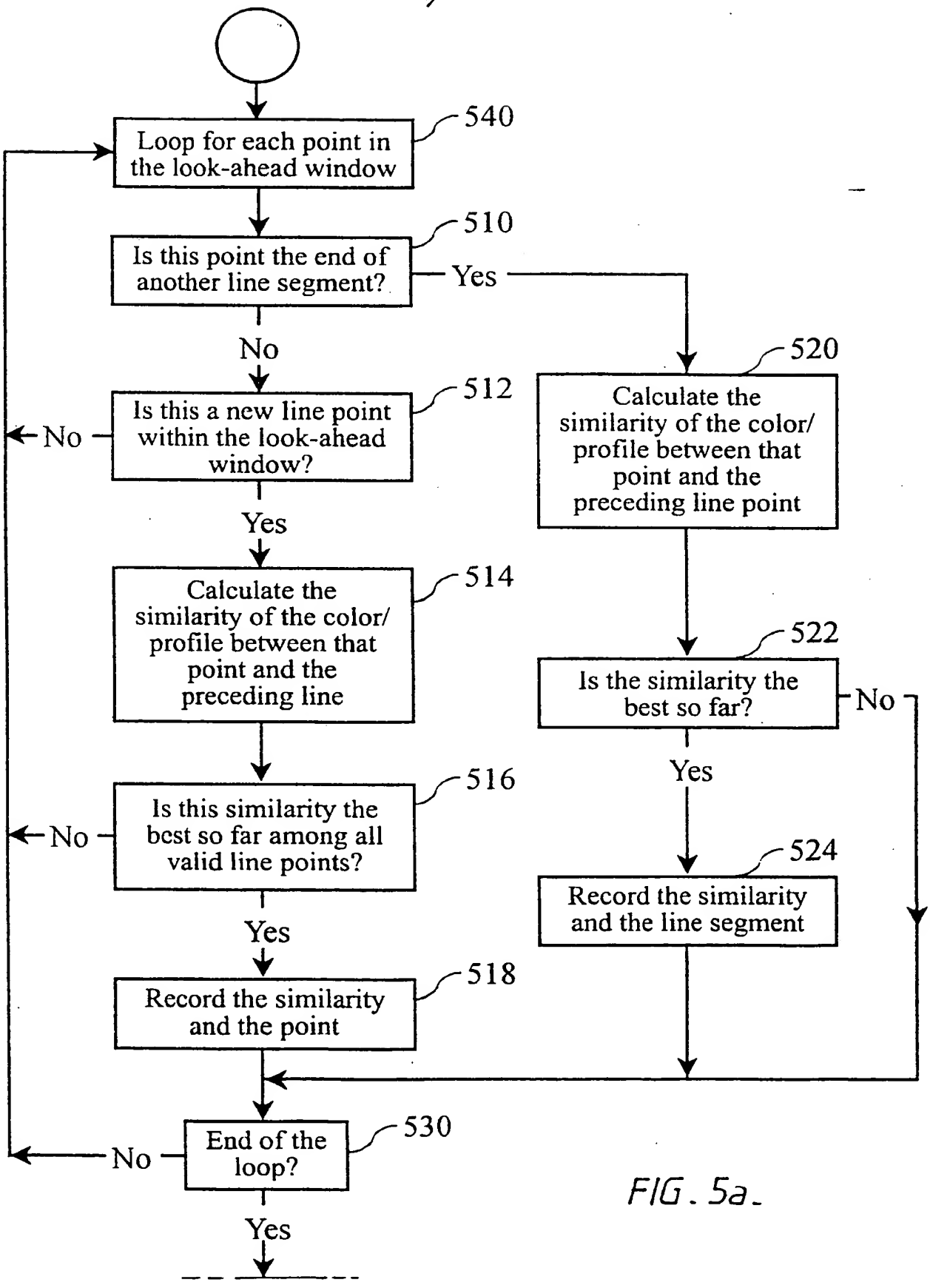
Loop for each point in the look-ahead window
540
Is this point the end of another line segment?
510
Yes
No
Is this a new line point within the look-ahead window?
512
No
Yes
Calculate the similarity of the color/ profile between that point and the preceding line
514
Is this similarity the best so far among all valid line points?
516
No
Yes
Record the similarity and the point
518
Calculate the similarity of the color/ profile between that point and the preceding line point
520
Is the similarity the best so far?
522
No
Yes
Record the similarity and the line segment
524
End of the loop?
530
No
Yes

FIG. 5a.

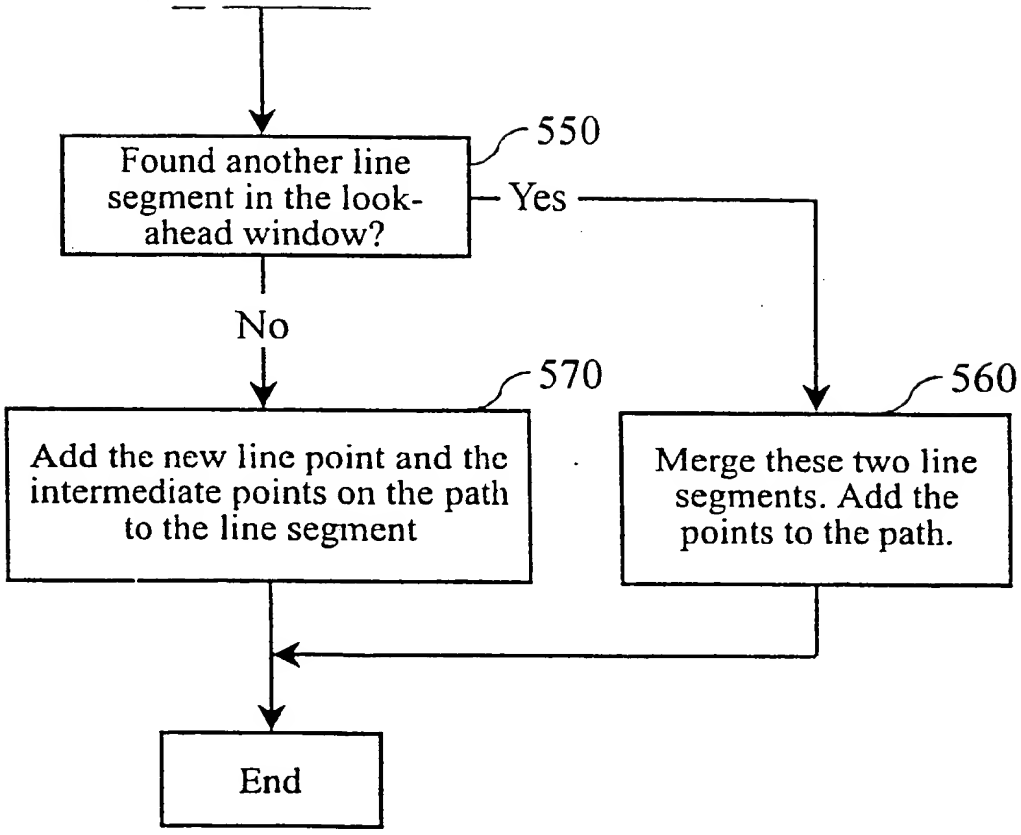
Found another line segment in the look-ahead window?
550
Yes
No
570
560
Add the new line point and the intermediate points on the path to the line segment
Merge these two line segments. Add the points to the path.
End

FIG. 5b.

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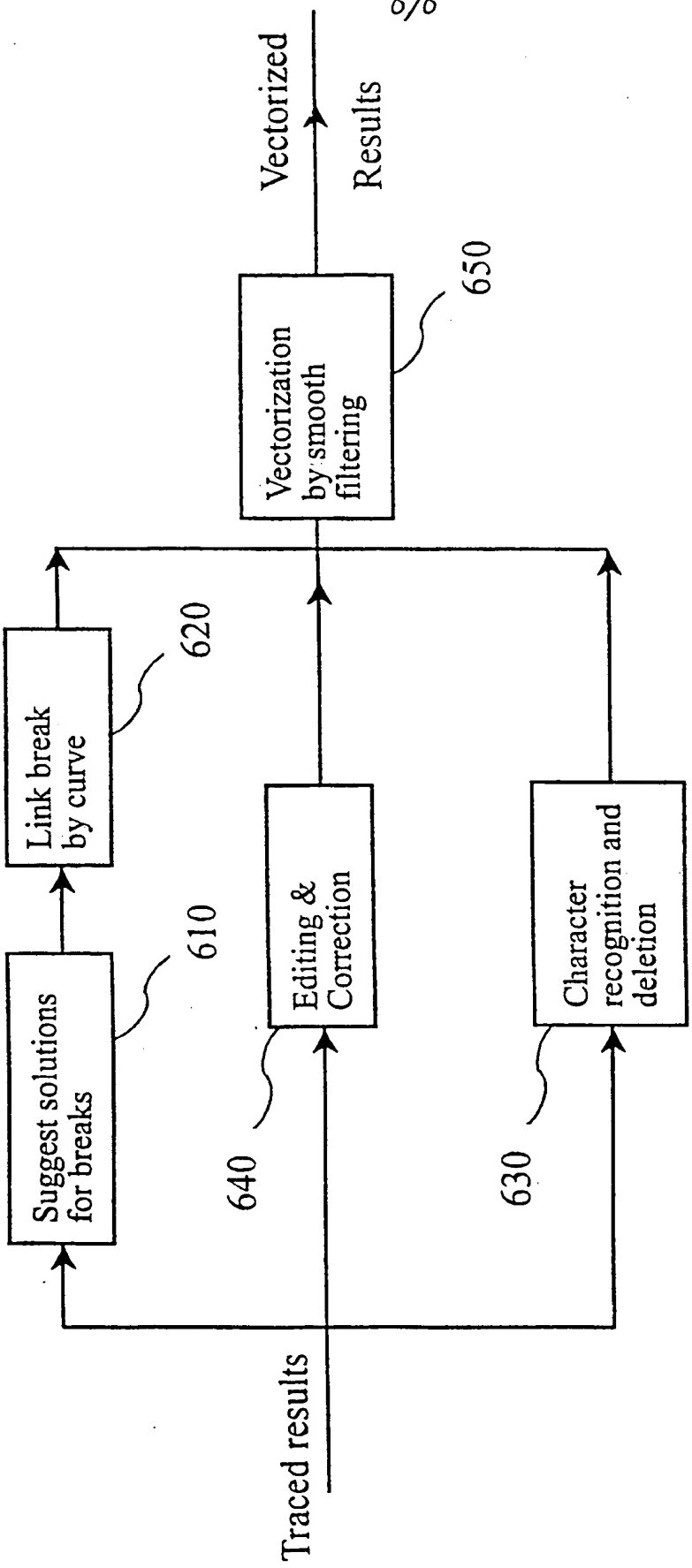

FIG. 6.

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